

**Data Table 8-3, NPDES Duplicate Sample Results**

EML = Environmental Monitoring Laboratory, SES = Shealy Environmental Services

♦ not calculated due to less than value  
1. Field Blank (not Outfall) result

| Sample Date | NPDES Site | Laboratory | Parameter                 | Units | Outfall Value     | Duplicate Value | Relative % Difference | Relative Percent Difference (< 20 %) |
|-------------|------------|------------|---------------------------|-------|-------------------|-----------------|-----------------------|--------------------------------------|
| 1/10/2013   | A-11       | SES        | Low Level Mercury Blank   | ng/L  | <0.5 <sup>1</sup> | <0.5            | ♦                     | ♦                                    |
| 2/5/2013    | A-01       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 2/5/2013    | A-01       | EML        | Iron                      | mg/L  | 0.0827            | 0.0806          | 2.6                   | Yes                                  |
| 2/4/2013    | A-01       | SES        | Oil & Grease              | mg/L  | <5.7              | <5.2            | ♦                     | ♦                                    |
| 2/5/2013    | A-01       | EML        | Total Suspended Solids    | mg/L  | <1.0              | <1.0            | ♦                     | ♦                                    |
| 2/5/2013    | A-11       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 2/5/2013    | A-11       | EML        | Total Suspended Solids    | mg/L  | <1.0              | <1.0            | ♦                     | ♦                                    |
| 2/21/2013   | H-12       | EML        | Copper                    | mg/L  | 0.0068            | 0.0059          | 14.2                  | Yes                                  |
| 2/21/2013   | H-12       | EML        | Zinc                      | mg/L  | 0.0312            | 0.0268          | 15.2                  | Yes                                  |
| 2/25/2013   | H-16       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 2/25/2013   | H-16       | SES        | Total Suspended Solids    | mg/L  | 2.2               | <1.0            | ♦                     | ♦                                    |
| 3/4/2013    | A-1A       | SES        | Trichloroethylene         | µg/L  | NO FLOW           | NO FLOW         | ♦                     | ♦                                    |
| 3/4/2013    | A-1A       | SES        | Tetrachloroethylene       | µg/L  | NO FLOW           | NO FLOW         | ♦                     | ♦                                    |
| 4/1/2013    | M-05       | SES        | Trichloroethylene         | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 4/1/2013    | M-05       | SES        | Tetrachloroethylene       | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 4/9/2013    | A-11       | SES        | Low Level Mercury         | ng/L  | 3.05              | 3.37            | 10.0                  | Yes                                  |
| 4/8/2013    | H-16       | SES        | Cadmium                   | mg/L  | <0.0001           | <0.0001         | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Chromium                  | mg/L  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Copper                    | mg/L  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Lead                      | mg/L  | <0.002            | <0.002          | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Nickel                    | mg/L  | <0.01             | <0.01           | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Silver                    | mg/L  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 4/8/2013    | H-16       | SES        | Zinc                      | mg/L  | 0.0057            | 0.0052          | 9.2                   | Yes                                  |
| 4/8/2013    | H-16       | SES        | Mercury                   | mg/L  | <0.0001           | <0.0001         | ♦                     | ♦                                    |
| 5/1/2013    | A-1A       | SES        | Trichloroethylene         | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 5/1/2013    | A-1A       | SES        | Tetrachloroethylene       | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 5/13/2013   | F-08       | EML        | Lead                      | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 5/13/2013   | F-08       | EML        | Zinc                      | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 5/21/2013   | H-07       | EML        | Total Suspended Solids    | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 6/4/2013    | M-05       | SES        | Tetrachloroethylene       | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 6/4/2013    | M-05       | SES        | Trichloroethylene         | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 6/17/2013   | K-18       | EML        | pH                        | SU    | 7.4               | 7.4             | 0.0                   | Yes                                  |
| 6/17/2013   | L-07       | EML        | pH                        | SU    | 6.8               | 6.8             | 0.0                   | Yes                                  |
| 6/18/2013   | A-11       | EML        | Total Suspended Solids    | mg/L  | 1.0               | 1.0             | 0.0                   | Yes                                  |
| 6/18/2013   | A-11       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 6/18/2013   | K-18       | EML        | Total Suspended Solids    | mg/L  | 2.0               | 5.0             | 85.7                  | No                                   |
| 6/18/2013   | L-07       | EML        | Total Suspended Solids    | mg/L  | 1.0               | 1.0             | 0.0                   | Yes                                  |
| 6/20/2013   | H-12       | EML        | Copper                    | mg/L  | 0.0095            | 0.0082          | 14.7                  | Yes                                  |
| 6/20/2013   | H-12       | EML        | Zinc                      | mg/L  | 0.0254            | 0.0250          | 1.6                   | Yes                                  |
| 7/15/2013   | A-01       | SES        | Oil & Grease              | mg/L  | <5.3              | <5.4            | ♦                     | ♦                                    |
| 7/16/2013   | A-01       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 7/16/2013   | A-01       | EML        | Iron                      | mg/L  | 0.7764            | 0.7938          | 2.2                   | Yes                                  |
| 7/16/2013   | A-01       | EML        | Total Suspended Solids    | mg/L  | 2.0               | 2.0             | 0.0                   | Yes                                  |
| 7/16/2013   | A-11       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 7/16/2013   | A-11       | EML        | Total Suspended Solids    | mg/L  | <1.0              | <1.0            | ♦                     | ♦                                    |
| 8/7/2013    | A-01       | SES        | Oil & Grease              | mg/L  | <4.8              | <4.9            | ♦                     | ♦                                    |
| 8/8/2013    | A-01       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 8/8/2013    | A-01       | EML        | Iron                      | mg/L  | 0.6463            | 0.6244          | 3.4                   | Yes                                  |
| 8/8/2013    | A-01       | EML        | Total Suspended Solids    | mg/L  | 3.0               | 3.0             | 0.0                   | Yes                                  |
| 8/13/2013   | H-02       | EML        | Copper                    | mg/L  | 0.0076            | 0.0073          | 4.0                   | Yes                                  |
| 8/13/2013   | H-02       | EML        | Lead                      | mg/L  | <0.002            | <0.002          | ♦                     | ♦                                    |
| 8/13/2013   | H-02       | EML        | Zinc                      | mg/L  | <0.01             | <0.01           | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Cadmium                   | mg/l  | <0.0001           | <0.0001         | ♦                     | ♦                                    |

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| Sample Date | NPDES Site | Laboratory | Parameter                 | Units | Outfall Value     | Duplicate Value | Relative % Difference | Relative Percent Difference (< 20 %) |
|-------------|------------|------------|---------------------------|-------|-------------------|-----------------|-----------------------|--------------------------------------|
| 8/19/2013   | H-16       | SES        | Chromium                  | mg/l  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Copper                    | mg/l  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Lead                      | mg/l  | <0.002            | <0.002          | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Nickel                    | mg/l  | <0.01             | <0.01           | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Silver                    | mg/l  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Zinc                      | mg/l  | <0.005            | <0.005          | ♦                     | ♦                                    |
| 8/19/2013   | H-16       | SES        | Mercury                   | mg/l  | <0.0001           | <0.0001         | ♦                     | ♦                                    |
| 9/5/2013    | D-01       | EML        | pH                        | SU    | 5.9               | 5.7             | 3.4                   | Yes                                  |
| 9/5/2013    | D-01       | EML        | pH                        | SU    | 5.9               | 5.9             | 0.0                   | Yes                                  |
| 9/5/2013    | D-01       | EML        | pH                        | SU    | 5.8               | 5.5             | 5.3                   | Yes                                  |
| 9/18/2013   | H-02       | EML        | Copper                    | mg/L  | 0.0111            | 0.0123          | 10.3                  | Yes                                  |
| 9/18/2013   | H-02       | EML        | Lead                      | mg/L  | <0.0020           | <0.0020         | ♦                     | ♦                                    |
| 9/18/2013   | H-02       | EML        | Zinc                      | mg/L  | <0.0100           | <0.0100         | ♦                     | ♦                                    |
| 10/3/2013   | D-01       | EML        | Aluminum                  | mg/L  | 0.1453            | 0.1563          | 7.3                   | Yes                                  |
| 10/3/2013   | D-01       | EML        | Manganese                 | mg/L  | 0.0136            | 0.0134          | 1.5                   | Yes                                  |
| 10/3/2013   | D-01       | EML        | pH                        | SU    | 6.7               | 6.7             | 0.0                   | Yes                                  |
| 10/3/2013   | D-01C      | EML        | Total Suspended Solids    | mg/L  | <1.0              | <1.0            | ♦                     | ♦                                    |
| 10/3/2013   | D-01C      | SES        | Oil & Grease              | mg/L  | <4.7              | <4.7            | ♦                     | ♦                                    |
| 10/2/2013   | A-11       | SES        | Low Level Mercury Blank   | ng/L  | <0.5 <sup>1</sup> | <0.5            | ♦                     | ♦                                    |
| 10/14/2013  | F-08       | EML        | Lead                      | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 10/14/2013  | F-08       | EML        | Zinc                      | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 10/16/2013  | H-07       | EML        | Total Suspended Solids    | mg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 11/5/2013   | M-05       | SES        | Tetrachloroethylene       | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 11/5/2013   | M-05       | SES        | Trichloroethylene         | µg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 11/14/2013  | A-11       | SES        | Low Level Mercury         | ng/L  | 2.340             | 2.100           | 10.8                  | Yes                                  |
| 12/18/2013  | F-08       | EML        | Lead                      | mg/L  | <0.0020           | <0.0020         | ♦                     | ♦                                    |
| 12/18/2013  | F-08       | EML        | Zinc                      | mg/L  | 0.058             | 0.055           | 5.6                   | Yes                                  |
| 11/14/2013  | H-12       | EML        | Copper                    | mg/L  | 0.0109            | 0.0109          | 0.0                   | Yes                                  |
| 11/14/2013  | H-12       | EML        | Zinc                      | mg/L  | 0.0209            | 0.0208          | 0.5                   | Yes                                  |
| 12/3/2013   | A-1A       | SES        | Trichloroethylene         | µg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 12/3/2013   | A-1A       | SES        | Tetrachloroethylene       | µg/L  | NO FLOW           | NO FLOW         | NO FLOW               | NO FLOW                              |
| 12/9/2013   | H-16       | SES        | Biochemical Oxygen Demand | mg/L  | <2.0              | <2.0            | ♦                     | ♦                                    |
| 12/9/2013   | H-16       | SES        | Total Suspended Solids    | mg/L  | <1.0              | <1.4            | ♦                     | ♦                                    |
| 12/12/2013  | H-02       | EBL        | Copper                    | mg/l  | 0.0070            | 0.0065          | 7.4                   | Yes                                  |
| 12/12/2013  | H-02       | EBL        | Lead                      | mg/l  | <0.0020           | <0.0020         | ♦                     | ♦                                    |
| 12/12/2013  | H-02       | EBL        | Zinc                      | mg/l  | <0.0100           | <0.0100         | ♦                     | ♦                                    |
| 12/12/2013  | K-18       | EML        | Total Suspended Solids    | mg/L  | 1.0               | 1.0             | 0.0                   | Yes                                  |
| 12/12/2013  | L-07       | EML        | Total Suspended Solids    | mg/L  | 1.0               | 1.0             | 0.0                   | Yes                                  |